

PETERZIEL, HEIKE, DR. RER. NAT.

GENERAL INFORMATION



Staff Scientist
Translational Drug Screening Unit
Hopp Children's Cancer Center Heidelberg (KITZ)
CCU Pediatric Oncology (DKFZ Heidelberg)
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ACADEMIC EDUCATION & QUALIFICATION

Year(s)	Education
1994	Diploma in Biology, University of Karlsruhe, Germany
1993-1994	Diploma Thesis, Research Center Karlsruhe (now Karlsruhe Institute of Technology); Institute of Toxicology and Genetics, Karlsruhe, Germany
1986-1992	Studies of Biology, University of Karlsruhe, Germany

SCIENTIFIC EDUCATION & QUALIFICATION

Year(s)	Education
1998	Doctoral Degree of natural sciences (Dr. rer. nat.), University of Karlsruhe, Germany
1994-1998	Dissertation in Genetics and Molecular Biology, Institute of Toxicology and Genetics, Research Center Karlsruhe (now Karlsruhe Institute of Technology)

PROFESSIONAL EXPERIENCE

Year(s)	Experience
Since 2016	Hopp Children's Cancer Center Heidelberg (KITZ)/German Cancer Research Center (DKFZ) Heidelberg, CCU Pediatric Oncology: staff scientist translational drug screening unit
2008-2016	German Cancer Research Center (DKFZ) Heidelberg, Division of Signal Transduction and Growth Control: senior scientist
1999-2008	University of Heidelberg, Department of Anatomy and Cell Biology: postdoctoral fellow and senior scientist,
1998-1999	Research Center Karlsruhe (now Karlsruhe Institute of Technology), Institute of Toxicology and Genetics: postdoctoral fellow

OTHER QUALIFICATIONS/ROLES/RESPONSIBILITIES

Year(s)	
1999-2019	University Lecturer (Anatomy and Cell Biology) at the Medical Faculty Heidelberg, University of Heidelberg
2007	Teaching Certificate Medical Faculty Heidelberg (DOS)
2003 - 2006	Margarethe-von-Wrangell Habilitation Fellowship

SELECTED PUBLICATIONS

1. Eisemann T, Costa B, Peterziel H*, Angel P*. Podoplanin Positive Myeloid Cells Promote Glioma Development by Immune Suppression. **Front Oncol** 2019; 9:187; * shared authorship
2. Costa B, Eisemann T, Strelau J, Spaan I, Korshunov A, Liu HK, Bugert P, Angel P, Peterziel H. Intratumoral platelet aggregate formation in a murine preclinical glioma model depends on podoplanin expression on tumor cells. **Blood Adv** 201; 3(7):1092-1102.
3. Eisemann T, Costa B, Harter PN, Wick W, Mittelbronn M, Angel P, Peterziel H. Podoplanin expression is a prognostic biomarker but may be dispensable for the malignancy of glioblastoma. **Neuro Oncol** 2019;21(3):326-336.

4. Shen J, Najafi S, Stäble S, Fabian J, Koeneke E, Kolbinger FR, Wrobel JK, Meder B, Distel M, Heimburg T, Sippl W, Jung M, [Peterziel H](#), Kranz D, Boutros M, Westermann F, Witt O, Oehme I. A kinome-wide RNAi screen identifies ALK as a target to sensitize neuroblastoma cells for HDAC8-inhibitor treatment. **Cell Death Differ** 2018 25(12):2053-2070
5. Eisemann T, Costa B, Strelau J, Mittelbronn M, Angel P, [Peterziel H](#). An advanced glioma cell invasion assay based on organotypic brain slice cultures. **BMC Cancer** 2018 18(1):103.
6. Bingel C, Koeneke E, Ridinger J, Bittmann A, Sill M, [Peterziel H](#), Wrobel JK, Rettig I, Milde T, Fernekorn U, Weise F, Schober A, Witt O, Oehme I. Three-dimensional tumor cell growth stimulates autophagic flux and recapitulates chemotherapy resistance. **Cell Death Dis** 2017; 8(8):e3013.
7. Merz C, Strecker A, Sykora J, Hill O, Fricke H, Angel P, Gieffers C, [Peterziel H](#). Neutralization of the CD95 ligand by APG101 inhibits invasion of glioma cells in vitro. **Anticancer Drugs** 2015 26(7):716-27
8. Brockschmidt A, Trost D, [Peterziel H](#), Zimmermann K, Ehrler M, Grassmann H, Pfenning PN, Waha A, Wohlleber D, Brockschmidt FF, Jugold M, Hoischen A, Kalla C, Waha A, Seifert G, Knolle PA, Latz E, Hans VH, Wick W, Pfeifer A, Angel P, Weber RG. KIAA1797/FOCAD encodes a novel focal adhesion protein with tumour suppressor function in gliomas. **Brain** 2012; 135(Pt 4):1027-41
9. [Peterziel H](#), Müller J, Danner A, Barbus S, Liu HK, Radlwimmer B, Pietsch T, Lichter P, Schütz G, Hess J, Angel P. Expression of podoplanin in human astrocytic brain tumors is controlled by the PI3K-AKT-AP-1 signaling pathway and promoter methylation. **Neuro Oncol** 2012;14(4):426-39.
10. Ernst A, Hofmann S, Ahmadi R, Becker N, Korshunov A, Engel F, Hartmann C, Felsberg J, Sabel M, [Peterziel H](#), Durchdewald M, Hess J, Barbus S, Campos B, Starzinski-Powitz A, Unterberg A, Reifenberger G, Lichter P, Herold-Mende C, Radlwimmer B. Genomic and expression profiling of glioblastoma stem cell-like spheroid cultures identifies novel tumor-relevant genes associated with survival. **Clin Cancer Res** 2009; 15(21):6541-50